

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	335	"DMFC"	USPAT	OR	OFF	2007/09/18 14:59
S2	1	"5599638".pn.	USPAT	OR	OFF	2007/09/19 14:09
S3	1	"6221523".pn.	USPAT	OR	OFF	2007/09/20 09:39
S4	0	"0028975"	US-PGPUB	OR	OFF	2007/09/19 08:03
S7	1113	narayanan.in.	US-PGPUB; USPAT	OR	OFF	2007/09/19 08:07
S8	0	"09882607".ap.	US-PGPUB; USPAT	OR	OFF	2007/09/19 08:08
S9	7	"882607".ap.	US-PGPUB; USPAT	OR	OFF	2007/09/19 08:08
S10	1	"6187467".pn.	USPAT	OR	OFF	2007/09/19 08:28
S11	335	DMFC "direct methanol fuel cell" and catalyst adj thickness	USPAT	OR	OFF	2007/09/19 09:31
S12	1	DMFC and "direct methanol fuel cell" and catalyst adj thickness	USPAT	OR	OFF	2007/09/19 08:31
S13	0	DMFC and "anode catalyst layer" adj thick	USPAT	OR	OFF	2007/09/19 08:32
S14	1	DMFC and "anode catalyst layer" adj thick\$	USPAT	OR	OFF	2007/09/19 08:32
S15	3	DMFC and um	USPAT	OR	OFF	2007/09/19 08:33
S16	1	DMFC and "catalyst layer" and um	USPAT	OR	OFF	2007/09/19 08:33
S17	0	DMFC and "catalyst layer" adj thick\$ and um	USPAT	OR	OFF	2007/09/19 08:33
S18	2	DMFC and catalyst adj thickness	USPAT	OR	OFF	2007/09/19 08:44
S19	43	DMFC and "catalyst layer" and mg/"cm.sup.2"	USPAT	OR	OFF	2007/09/19 08:47
S20	42	DMFC and "catalyst layer" and mg/"cm.sup.2" and Pt	USPAT	OR	OFF	2007/09/19 09:01
S21	59	DMFC and mg/"cm.sup.2" and Pt	USPAT	OR	OFF	2007/09/19 09:01
S22	111	"direct methanol fuel cell" and mg/"cm.sup.2"	USPAT	OR	OFF	2007/09/20 09:04
S23	93	"direct methanol fuel cell" and mg/"cm.sup.2" and Pt	USPAT	OR	OFF	2007/09/19 09:21
S24	91	"direct methanol fuel cell" and mg/"cm.sup.2" and Pt and cathode	USPAT	OR	OFF	2007/09/19 09:21
S25	9	("20030162070"   "20040076861"   "5723229"   "5744694"   "5773706"   "5904740"   "6268077"   "6326097"   "6506513").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/19 09:24

## EAST Search History

S26	0	S5 and cathode and mg/"cm.sup.2"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/19 09:24
S27	0	S5 and mg/"cm.sup.2"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/19 09:31
S28	0	"direct methanol fuel cell" and catalyst adj thickness and um	USPAT	OR	OFF	2007/09/19 09:32
S29	105	"direct methanol fuel cell" and mg/"cm.sup.2" and cathode and anode	USPAT	OR	OFF	2007/09/19 10:38
S30	18	("3423228"   "4419209"   "4537840"   "4596858"   "4605685"   "4729930"   "5049275"   "5260143"   "5460896"   "5523177"   "5599638"   "5599640"   "5643689"   "5645950"   "5679482"   "5834523"   "5919583").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/19 09:51
S31	4	S30 and mg/"cm.sup.2" and cathode and anode	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/19 09:51
S32	4	S30 and mg/"cm.sup.2" and cathode and anode and catalyst	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/19 09:53
S33	3	S30 and mg/"cm.sup.2" and cathode and anode and catalyst and PT	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/19 09:54
S34	3	S30 and mg/"cm.sup.2" and cathode and anode and catalyst and Pt	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/19 09:54
S35	26	("5679482").URPN.	USPAT	OR	OFF	2007/09/19 09:59
S36	0	"5523177".pn. and catalyst and g/"cm.sub.2"	USPAT	OR	OFF	2007/09/19 09:59
S37	1	"direct methanol fuel cell" and "catalyst layer" and anode and cathode and um	USPAT	OR	OFF	2007/09/19 10:39
S38	0	"direct methanol fuel cell" and "catalyst layer" adj thick\$ and um	USPAT	OR	OFF	2007/09/19 10:40
S39	0	"direct methanol fuel cell" and "layer" adj thick\$ and um	USPAT	OR	OFF	2007/09/19 10:40
S40	44	"direct methanol fuel cell" and "layer" adj thick\$	USPAT	OR	OFF	2007/09/19 10:40
S42	7	"direct methanol fuel cell" and "layer" adj thick\$ and micrometer	USPAT	OR	OFF	2007/09/19 10:41
S43	1	"6500217".pn.	USPAT	OR	OFF	2007/09/19 11:26
S44	1	"6846510".pn.	USPAT	OR	OFF	2007/09/19 11:50

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S45	1	"5084144".pn.	USPAT	OR	OFF	2007/09/19 11:53
S46	1	"4876115".pn.	USPAT	OR	OFF	2007/09/19 14:07
S47	1	"4610938".pn.	USPAT	OR	OFF	2007/09/19 11:54
S48	84	DMFC and "catalyst layer" and thick\$	USPAT	OR	OFF	2007/09/19 14:11
S49	7	DMFC and "catalyst layer" adj thick\$	USPAT	OR	OFF	2007/09/19 14:12
S50	1	DMFC and "catalyst layer" and um	USPAT	OR	OFF	2007/09/19 14:13
S51	149	DMFC and MEA and assembly	USPAT	OR	OFF	2007/09/19 14:22
S52	850969	"membrane electrode" and producing production	USPAT	OR	OFF	2007/09/19 14:22
S53	850464	DMFC and "membrane electrode" and producing production	USPAT	OR	OFF	2007/09/19 14:23
S54	189	DMFC and "membrane electrode" and producing production and "catalyst ink"	USPAT	OR	OFF	2007/09/20 09:12
S55	1	"5234777".pn.	USPAT	OR	OFF	2007/09/19 14:45
S56	1	DMFC and anode adj "catalyst layer" adj thick\$	USPAT	OR	OFF	2007/09/19 15:10
S57	3	("4612261"   "5284878"   "6613464").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/19 14:47
S59	0	"20010135169"	DERWENT	OR	OFF	2007/09/19 14:49
S60	5	"135169"	DERWENT	OR	OFF	2007/09/19 14:50
S61	1	2001-135169	DERWENT	OR	OFF	2007/09/19 14:54
S62	0	US2002187374	US-PGPUB	OR	OFF	2007/09/19 14:54
S63	0	"2002187374"	US-PGPUB	OR	OFF	2007/09/19 14:54
S64	0	"2002187374.app."	US-PGPUB	OR	OFF	2007/09/19 14:56
S65	1	"20020187374"	US-PGPUB	OR	OFF	2007/09/19 14:58
S66	0	"20010135169"	DERWENT	OR	OFF	2007/09/19 14:58
S67	0	"20010135169"	JPO; DERWENT	OR	OFF	2007/09/19 14:58
S68	1	"2001-135169"	JPO; DERWENT	OR	OFF	2007/09/19 15:05
S69	1	2001-135169	JPO; DERWENT	OR	OFF	2007/09/19 15:05
S70	1	"fuel cell" and anode adj "catalyst layer" adj thick\$	USPAT	OR	OFF	2007/09/19 15:10
S71	0	"fuel cell" and cathode adj "catalyst layer" adj thick\$	USPAT	OR	OFF	2007/09/19 15:10

## EAST Search History

S72	21	"1037295"	USPAT; USOCR; EPO; DERWENT	OR	OFF	2007/09/20 09:05
S73	12	"1037295"	EPO; DERWENT	OR	OFF	2007/09/20 09:05
S74	1	"5234777".pn.	USPAT	OR	OFF	2007/09/20 09:12
S75	0	2001/0028975	US-PGPUB	OR	OFF	2007/09/20 09:40
S76	550981	"2001" "0028975"	US-PGPUB	OR	OFF	2007/09/20 09:40
S77	0	"200100028975"	US-PGPUB	OR	OFF	2007/09/20 09:40
S78	499	Narayanan.in.	US-PGPUB	OR	OFF	2007/09/20 09:40
S79	1	"20020102451"	USPAT	OR	OFF	2007/09/26 09:23
S80	2	"20020102451"	US-PGPUB; USPAT	OR	OFF	2007/09/26 09:32
S81	1	"20070009777"	US-PGPUB; USPAT	OR	OFF	2007/09/26 09:26
S82	1	"20040185314"	US-PGPUB; USPAT	OR	OFF	2007/09/26 10:16
S83	2	"20040185314"	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/09/26 10:17
S84	4	"2007000977"	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/09/26 10:17
S85	2	"20070009777"	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/09/26 10:26
S86	2	"6001500".pn.	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/09/26 10:29
S87	4061	"6001500".pn. and "DMFC" "direct methanol"	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/09/26 10:29
S88	0	"6001500".pn. and ("DMFC" "direct methanol")	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/09/26 10:42
S89	0	"6001500".pn. and "direct methanol"	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/09/26 10:42
S90	15	"6500217"	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/09/26 13:35
S91	0	2001/028975	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/09/26 13:57

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S92	14	"028975"	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/09/26 13:58
S93	0	naraynanan.in.	US-PGPUB; USPAT	OR	OFF	2007/09/26 13:59
S94	1	narayannan.in.	US-PGPUB; USPAT	OR	OFF	2007/09/26 13:59
S95	1796	narayanan.in.	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/09/26 14:07
S96	1113	narayanan.in.	US-PGPUB; USPAT	OR	OFF	2007/09/26 14:06
S97	250	narayanan.in. and "2001" "0028975"	US-PGPUB; USPAT	OR	OFF	2007/09/26 14:07
S98	0	narayanan.in. and "2001028975"	US-PGPUB; USPAT	OR	OFF	2007/09/26 14:07
S10 1	1	2001/0028975	US-PGPUB; USPAT	OR	OFF	2007/09/26 14:08
S10 2	0	2001/0028975 and narayanan.in.	US-PGPUB; USPAT	OR	OFF	2007/09/26 14:08
S10 3	1113	narayanan.in.	US-PGPUB; USPAT	OR	OFF	2007/09/26 14:08
S10 4	16	narayanan.in. and DMFC	US-PGPUB; USPAT	OR	OFF	2007/09/26 14:10
S10 5	0	2001/0028975	US-PGPUB	OR	OFF	2007/09/26 14:10
S10 6	0	"200100028975"	US-PGPUB	OR	OFF	2007/09/26 14:10
S10 7	0	"2001/0028975"	US-PGPUB	OR	OFF	2007/09/26 14:11
S10 8	1	"20010028975"	US-PGPUB	OR	OFF	2007/09/26 14:31
S10 9	1	"20040037951"	US-PGPUB	OR	OFF	2007/09/26 14:31
S11 0	2	"20040037951"	US-PGPUB; DERWENT	OR	OFF	2007/09/26 14:32